

# Rooftop Solar Workshop

*Unlocking the economic potential of rooftop solar in India*

## Agenda

**12 October 2020**

Time: 16h00 – 18h30 (IST)

Other time zones for speakers: 12h30 – 15h00 (CET), 6h30 – 9h00 (ET), 7h30 – 10h00 (BRT)  
20h30 – 23h00 (AEST)

Virtual webinar registration:

<https://register.gotowebinar.com/register/310319974597793550>

Partners:



GOVERNMENT OF INDIA  
MINISTRY OF NEW  
AND RENEWABLE ENERGY



International  
Energy Agency

## Unlocking the economic potential of rooftop solar in India

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According to the IEA's sustainable recovery plan, rooftop solar has the greatest job creation potential among all clean energy technologies. On one hand, the rooftop solar sector is expected to get the hardest hit from the economic crisis, as individuals and small businesses are expected to reprioritise and delay investment decisions. However, the sector (along with buildings renovation) holds a great potential to receive funds under upcoming stimulus programmes.

### 16h00 –16h20 Opening and High-level Context

*The future of rooftop PV in India given the upcoming economic challenges*  
**Sh. Indu Shekhar Chaturvedi, Secretary, MNRE (5 min)**

*Sustainable Recovery Plan – Global vision and implications for India*  
**Dave Turk, Deputy Executive Director, IEA (5min)**

*Role of rooftop solar sector in speedier economic recovery in India*  
**Dr Arunabha Ghosh, CEO, CEEW (5 min)**

*Moderator: Paolo Frankl, Head of Renewable Energy Division, IEA*

### 16h20 – 17h20 Session 1 – How to unlock the economic potential of distributed PV in India?

#### **Drivers and challenges of rooftop PV in India**

**Amitesh Kumar Sinha, Joint Secretary, MNRE (5 min)**

- What are the central government's policies for the rooftop PV sector? Have these policies been effective to drive deployment?
- How can central/state regulators overcome the implementation challenges of distributed PV?
- What has been the impact of Covid-19 on rooftop PV deployment?

#### **Creating enabling ecosystem for rooftop solar - current policies and incentives and innovative mechanisms**

**Neeraj Kuldeep, Programme Lead, CEEW (5 mins)**

- Why is net metering policy not creating the impetus towards rapid rooftop PV deployment in India as it has done in many other countries?
- What is the value of distributed PV to the grid (VGRS) framework? What is the impact of rooftop solar on DISCOMs revenues?
- New business models for accelerated growth of rooftop solar deployment – role of DISCOMs.

**Perspective from states: Reaping benefits of rooftop PV in Indian states**  
**Manu Srivastava, Ex Principle Energy Secretary, Madhya Pradesh (5 min)**  
**Abhishek Ranjan, AVP – System Operation and Head - Renewable, BSES**  
**Rajdhani Power Limitd (5 min)**

- Can DISCOMs benefit from rooftop PV growth?
- What are the costs and system benefits of rooftop PV at state-level? How can DISCOMs' business models evolve to enable faster rooftop PV deployment given additional revenue challenges under Covid-19?

**Creating investor friendly environment for distributed PV: Private sector perspective**

**Kushagra Nandan, Co-founder and President, SunSource Energy (5 mins)**

- Is the rooftop PV business profitable in India? What are the states with highest growth potential?
- What are the possible new business models that provide value to DISCOMs, generate reasonable returns for PV owners and aggregators?
- How should government and private sector cooperate to scale-up investment in distributed PV technology and deployment?

**Financing rooftop PV in India**

**Abhinav Goyal, Energy Specialist, World Bank (5 mins)**

- What are the financing tools supporting rooftop PV in India?
- What are the best policy practices enabling accelerated deployment of rooftop PV in India?

**Moderated discussion – (25 mins)**

**Moderated by Kanika Chawla, Director – CEEW Centre for Energy Finance**

**17h20 – 18h20 Session 2 – International perspective supporting rooftop PV: Lessons for India**

**Marco Aurélio Lenzi Castro, Regulation Specialist, The Brazilian Electricity Regulatory Agency (ANEEL) (9 Mins)**

- What are the factors behind the success of net-metering policy in Brazil?
- What are the challenges of net metering scheme for distribution companies and regulators?
- What is the positive impact of DPV deployment on economy and job creation?

**Luke Forster, New York State Energy Research and Development Authority (NYSERDA) (9 mins)**

- What are the impacts of the transition from net metering to net billing scheme in New York? What are the benefits and challenges?
- How can real-time models stimulate self-consumption and acknowledge full benefits of DPV?
- What is the positive impact of DPV deployment on economy and job creation?

***Gabrielle Kuiper, DER Strategy Specialist, Energy Security Board (Australia) (9 mins)***

- What is the most important driver for Australia's residential PV growth?
- How have policies evolved to address rapid residential expansion PV?
- What is the retail pricing model enabling growth?
- Are distribution companies in trouble considering more than 50% household penetration in some states?
- What is the positive impact of DPV deployment on economy and job creation?

***Dr. Stefan Arent, International Energy Coordinator, BNetzA [Germany Energy Regulator] (9 mins)***

- What was the success behind the German FIT to achieve fast growth of rooftop PV?
- What are the main advantages and disadvantages of simple FIT policy compared to other models, like net-metering?
- What is the positive impact of DPV deployment on economy and job creation?

**Moderated Panel discussion (25 min)**

**Moderated by Heymi Bahar, Senior Energy Analyst, IEA**

18h20 – 18h30 **Key takeaways for India (10 mins)**

**Dinesh Jagdale, Joint Secretary, MNRE**

**Paolo Frankl, Head of Renewable Energy Division, IEA**